

# \_\_\_\_ CALL FOR PROJECTS BRIDGE REPAIR COST ESTIMATE

ENGINEER:

DATE:

DECK AREA:

SFT

STRUCTURE ID:

LOCATION:

DECK DIM:

PRIMARY REPAIR STRATEGY:

STR. TYPE:

WORK ITEM	QUANTITY	DIMENSION	UNIT COST	TOTAL
<b>NEW BRIDGE</b>				
Multiple spans, Concrete (add demo. & road approach & traffic control)		SFT	\$125.00 /SFT	
Multiple spans, Steel (as above)		SFT	\$135.00 /SFT	
Single span (or multi span over water) (as above)		SFT	\$150.00 /SFT	
Pedestrian Overpass		SFT	/SFT	
Other				
<b>NEW SUPERSTRUCTURE</b>				
Concrete (includes removal of old super & new railing, add traffic control & approach)		SFT	\$95.00 /SFT	
Steel (as above)		SFT	\$115.00 /SFT	
Over Water (add to new superstructure cost)		SFT	\$20.00 /SFT	
Other				
<b>WIDENING</b>				
Added portion only. _____ ft of width (add road approach widening)		SFT	\$150.00 /SFT	
Other				
<b>NEW DECK</b>				
Includes removal of old deck & new railing (add traffic control & approach)		SFT	\$65.00 /SFT	
Other				
<b>DEMOLITION</b>				
Entire bridge, grade separation		SFT	\$24.00 /SFT	
Entire bridge, over water		SFT	\$31.00 /SFT	
Other				
<b>SUPERSTRUCTURE REPAIR</b>				
Concrete Deck Patch (includes hand chipping)		SFT	\$35.00 /SFT	
HMA Cap (no membrane - add bridge rail if req'd)		SFT	\$1.25 /SFT	
HMA Overlay with WP membrane (add bridge rail if req'd)		SFT	\$5.50 /SFT	
Removal of Concrete Wearing Course (latex) or Epoxy Overlay		SFT	\$3.35 /SFT	
Removal of HMA Overlay		SFT	\$1.10 /SFT	
Epoxy Overlay		SYD	\$35.00 /SYD	
Shallow Overlay (includes joint replmt & hydro, add bridge rail if req'd)		SFT	\$21.00 /SFT	
Deep Overlay (includes joint replmt & hydro, add bridge rail if req'd)		SFT	\$23.00 /SFT	
PCI Beam End Repair (\$2000-\$4000 per beam end)		EA	\$3,000.00 EA	
Repair Structural Steel (\$2000 bolted, \$6000 welded)		EA	\$5,000.00 EA	
Paint Structural Steel		SFT	\$8.50 /SFT	
Partial Painting		SFT	\$12.75 /SFT	
Pin & Hanger replacement (includes temporary supports)		EA	\$6,700.00 EA	
Other				
<b>SUBSTRUCTURE REPAIR</b>				
Pier repair (measured x 2) Replace unit if spalled area > 30%		CFT	\$200.00 /CFT	
Pier repair over water (measured x 2)		CFT	\$225.00 /CFT	
Pier replacement		CFT	\$55.00 /CFT	
Abutment repair (measured x 2)		CFT	\$200.00 /CFT	
Temporary Supports for Substructure Repair		EA	\$1,500.00 EA	
Slope Protection repairs		SYD	\$66.00 /SYD	
Other				
<b>MISCELLANEOUS</b>				
Expansion or Construction Joints (includes removal)		FT	\$440.00 /FT	
Bridge Railing, remove and replace		FT	\$250.00 /FT	
Thrie Beam Railing retrofit		FT	\$30.00 /FT	
Deck Drain Extensions		EA	\$300.00 EA	
Scour Countermeasures		LSUM		LSUM
Other				
<b>ROAD WORK</b>				
Approach Pavement, 91/2" RC (add C & G, GR, Slope, Shldr.) 40' ea. end		SFT	\$8.00 /SFT	
Approach Curb & Gutter (18' ea. quad.)		FT	\$38.00 /FT	